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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		<b>Attorney Docket No.</b> <b>019031-000010</b>
		<b>First Inventor</b> <b>Michael D. Ruff</b>
<b>Title</b>	<b>Coated Dibasic Calcium Phosphat</b>	
		<b>Express Mail Label No.</b> <b>EV 334192413 US</b>
<b>APPLICATION ELEMENTS</b>  <b>SEE MPEP chapter 600 concerning utility patent application contents.</b>		
<b>ADDRESS TO:</b> Mail Stop: Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Applicant claims small entity status. <i>See 37 CFR 1.27.</i> 3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages: 35 ]</span> <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>-Descriptive title of the invention</li> <li>-Cross Reference to Related Applications</li> <li>-Statement Regarding Fed sponsored R &amp; D</li> <li>-Reference to sequence listing, a table, or a computer program listing appendix</li> <li>-Background of the Invention</li> <li>-Brief Summary of the Invention</li> <li>-Brief Description of the Drawings (<i>if filed</i>)</li> <li>-Detailed Description</li> <li>-Claim(s)</li> <li>-Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">[Total Pages: 26]</span> 5. Oath or Declaration <span style="float: right;">[Total Pages: 2 ]</span> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))  <i>(for continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b>            Signed statement attached deleting inventor(s)            Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)</li> </ul> </li> </ul> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		
7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program ( <i>Appendix</i> )		
8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:             <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul>		
<b>ACCOMPANYING APPLICATION PARTS</b>		
9. <input type="checkbox"/> Assignment Papers (cover sheet & documents(s))		
10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i>		
11. <input type="checkbox"/> English Translation Document ( <i>if applicable</i> )		
12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations		
13. <input type="checkbox"/> Preliminary Amendment		
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i>		
15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i>		
16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.		
17. <input checked="" type="checkbox"/> Other: Check in the amount of \$942.00; and Express Mail Certificate.		

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

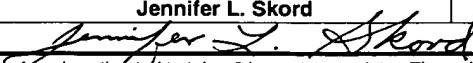
Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.:

Prior application information: Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Name	JENNIFER L. SKORD MOORE & VAN ALLEN				
Address	2200 WEST MAIN STREET, SUITE 800				
City	DURHAM	State	NC	Zip Code	27705
Country	US	Telephone	919-286-8000	Fax	919-416-8324
Name	Jennifer L. Skord			Registration No. (Attorney/Agent)	30,687
Signature				Date	August 19, 2003

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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03/01/03  
U.S. PTO

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$942.00)

Complete if Known

Application Number

Filing Date

First Named Inventor

Michael D. Ruff

Examiner Name

Group Art Unit

Attorney Docket No.

019031-000010

## METHOD OF PAYMENT (check all that apply)

 Check    Credit Card    Money Order    Other    None
 Deposit Account:

Deposit Account Number	13-4365
Deposit Account Name	Moore & Van Allen PLLC

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below    Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity   Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	750	201	375	Utility filing fee	375.00
106	330	206	165	Design filing fee	
107	520	207	260	Plant filing fee	
108	750	208	375	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL(1)      (\$375.00)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
55	-20** =	35 X 9.00	= 315.00
Independent 9	-3** =	06 X 42	= 252.00

## Claims

## Multiple Dependent

Large Entity   Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claims, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL(2)      (\$567.00)

\*\*or number previously paid, if greater, For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid		
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,250	147	2,250	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

\* Reduced by Basic Filing Fee Paid

SUBTOTAL(3)      (\$)

Complete if applicable

## SUBMITTED BY

Name (Print Type) (Attorney/Agent)	Jennifer L. Skord	Registration No. 30,687	Telephone	919-286-8000
Signature			Date	August 19, 2003

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**EXPRESS MAIL CERTIFICATE**

EXPRESS MAIL LABEL NUMBER: EV 334192413 US

Date of Deposit: August 19, 2003

First Named Inventor: Michael D. Ruff

For: Coated Dibasic Calcium Phosphate

I hereby certify that the following documents:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. Fee Transmittal (PTO/SB/17);
3. Check in the Amount of \$942.00;
4. Declaration (PTO/SB/01)(2 pages);
5. 35 Pages of Specification with 55 Claims;
6. 26 Pages of Drawings (Figs. 1 – 26);
7. Express Mail Certificate; and
8. Acknowledgement Postcard.

are being deposited in a single envelope with the United States Postal Services "Express Mail" service under 37 C.F.R. 1.10 on the date indicated above and such envelope is addressed to:  
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22313-1450

TIM KROLL

(Name of Person Mailing Documents)

TIM KROLL

(Signature of Person Mailing Documents)